

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
617-983-6622

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

08/08/11

Michael E. Murawski
Assistant District Attorney, Suffolk County

Dear ADA Murawski,

Enclosed are copies of the information you requested regarding sample number
[REDACTED] in the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Daniela Frasca and Kate A. Corbett.
3. Control Card with Analytical Results for sample number [REDACTED]
4. Analysis Notation Form for the above sample number.
5. GC-MS Raw Data Sheets for the above sample number.

GC-MS confirmatory testing was performed by Kate A. Corbett. All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Daniela Frasca".

Daniela Frasca
Chemist II
Drug Laboratory
617 983-6631
fax: 617 983-6625



DRUG RECEIPT

CC # _____

PAGE # XXXXXXXXXX

DESTRUCTION # _____

District/Unit A-1 DCW

Name & Rank of Arresting Officer John Dinei ID# 11202

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sgt. V. White ID# 110164

Received by Date 6-3-10

Date 6-3-10

ECU Control #

Curriculum Vitae

Daniela Frasca

Education

Boston University School of Medicine, Boston MA
Currently enrolled in the Biomedical Forensic Science MS Program

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present
Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA 09/1996 – 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs Clandestine labs
Agilent Instruments and Software Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy
Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness
Raman Spectroscopy

Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor for the TTT Mentor Program 2003 - present

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

No. [REDACTED]

Date Analyzed: 7/21/10

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [REDACTED]

Amount:

No. Cont: 1 Cont: pb

Subst: SUB

Date Rec'd: 06/03/2010

No. Analyzed:

Gross Wt.: 1.67

Net Weight: 0.119

Tests: 2

Prelim:

*B
Cocaine*

Findings:

Cocaine 2010

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Boston

ANALYST

EM

PHYSICAL DESCRIPTION:

no contents

EV. MECK

Substance loose in 1 PB (evidence bag)

Mary -

Gross Wt. -

Prsed -

Net Wt. 0.1174g

Meck -

Cobalt -, + Macd

Gold +

TLTA -, + Macd

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

9/17/10

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS
OPERATOR

MS/MS/100

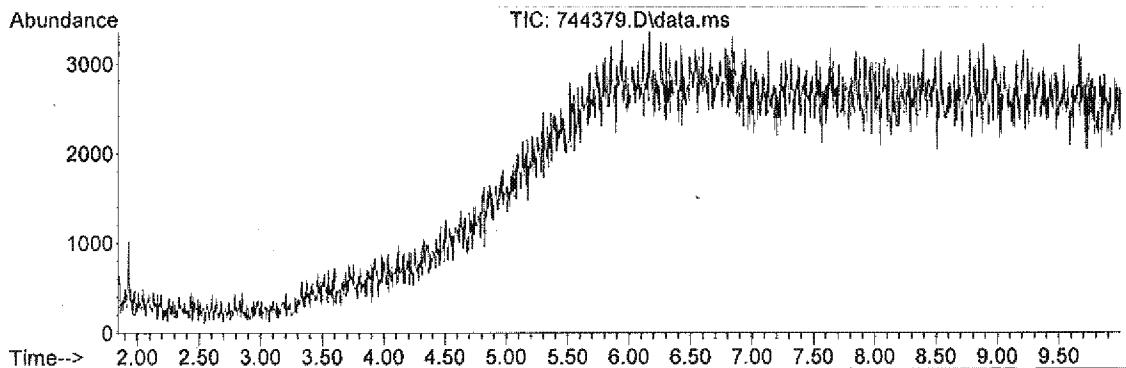
DATE

9/22/10

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744379.D
Operator : KAC
Date Acquired : 21 Sep 2010 3:04
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

✓ 089
Oct. 5-11

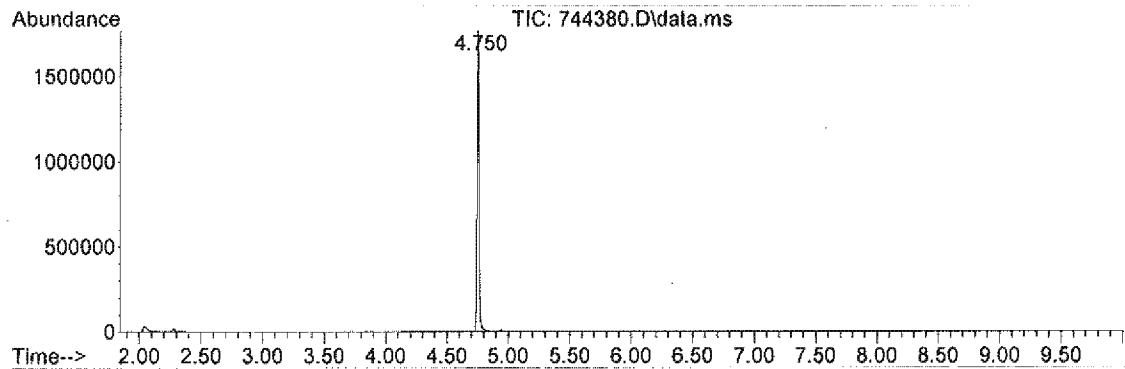


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744380.D
Operator : KAC
Date Acquired : 21 Sep 2010 3:18
Sample Name : COCAINE STD
Submitted by :
Vial Number : 80
AcquisitionMeth: DRUGS
Integrator : RTE



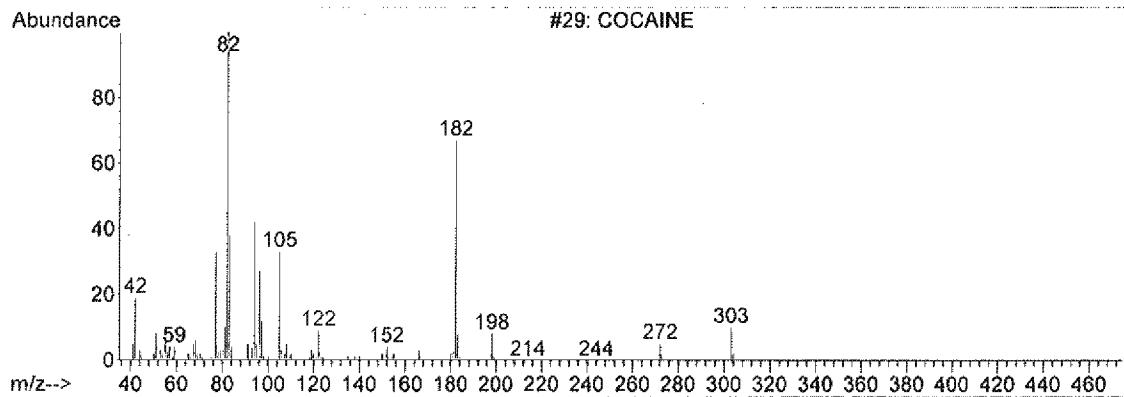
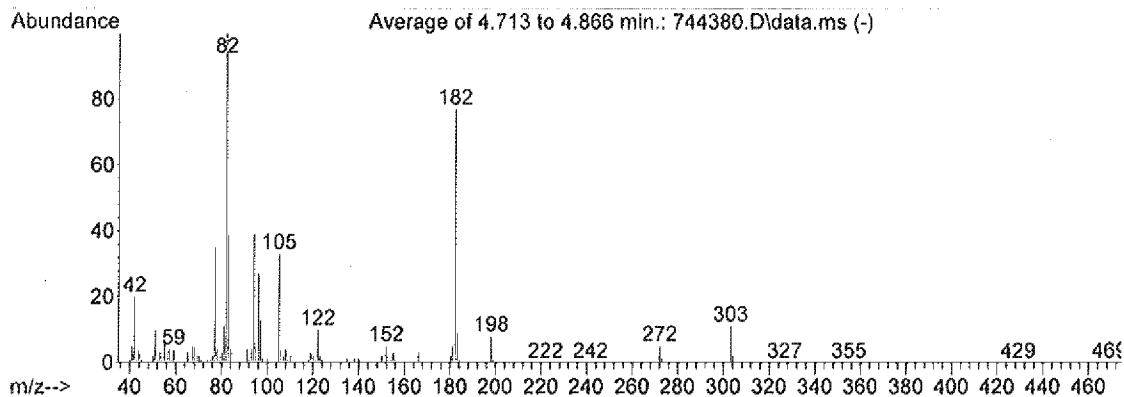
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.750 | 1835672 | 100.00 | 100.00 |

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744380.D
Operator : KAC
Date Acquired : 21 Sep 2010 3:18
Sample Name : COCAINE STD
Submitted by :
Vial Number : 80
AcquisitionMeth: DRUGS
Integrator : RTE

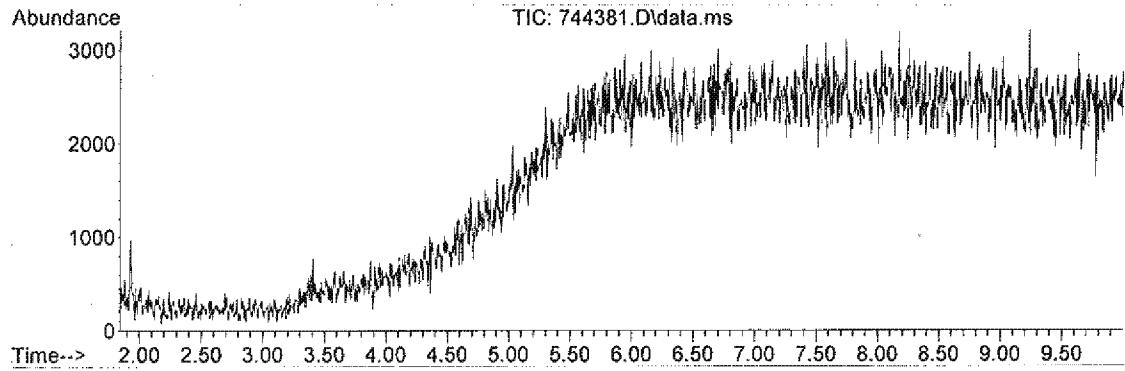
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.75 | C:\Database\SLI.L COCAINE | 000050-36-2 | 99 |



Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744381.D
Operator : KAC
Date Acquired : 21 Sep 2010 3:31
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

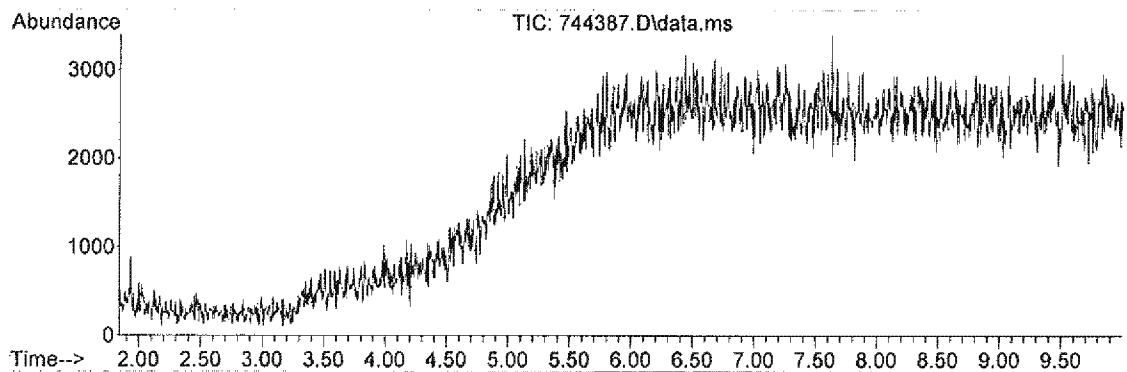


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744387.D
Operator : KAC
Date Acquired : 21 Sep 2010 4:53
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

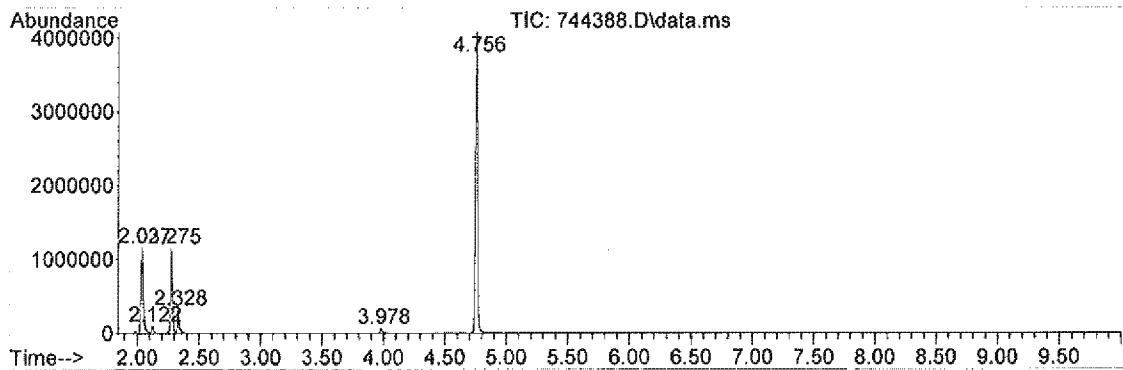


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE



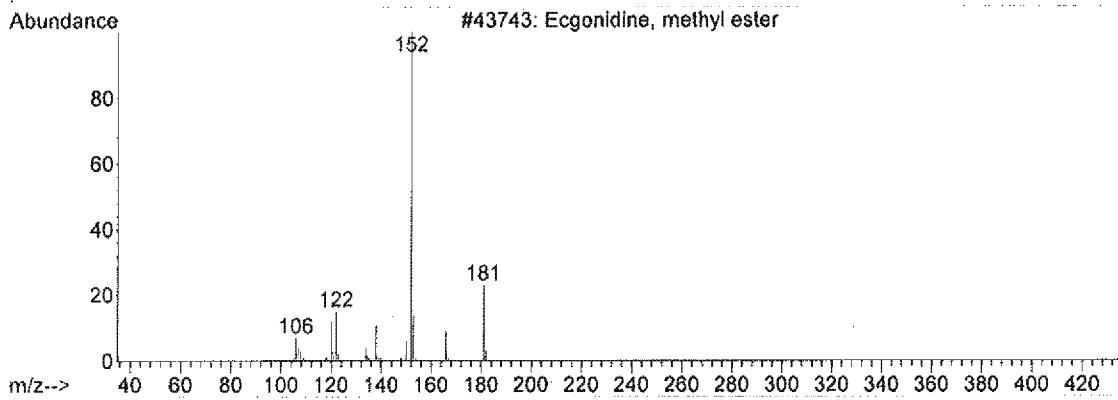
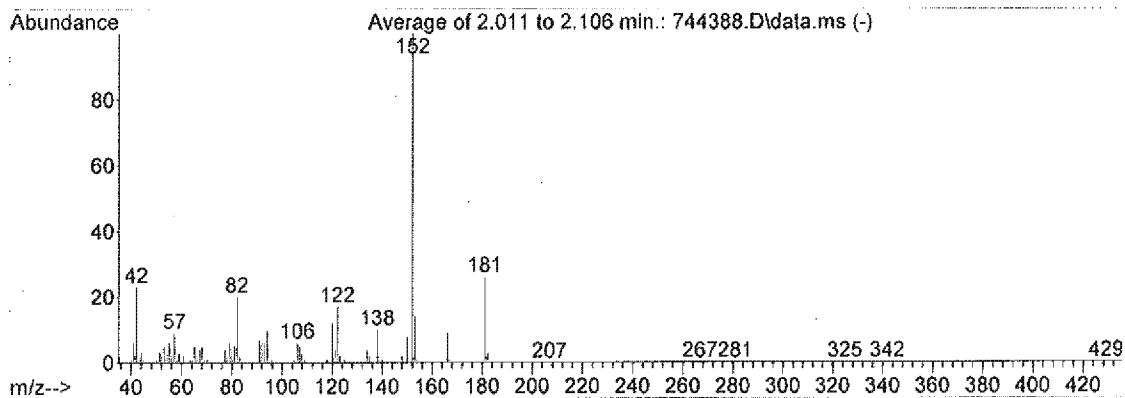
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.037 | 1421108 | 18.89 | 31.78 |
| 2.122 | 109558 | 1.46 | 2.45 |
| 2.275 | 1075456 | 14.30 | 24.05 |
| 2.328 | 342884 | 4.56 | 7.67 |
| 3.978 | 102273 | 1.36 | 2.29 |
| 4.756 | 4471479 | 59.44 | 100.00 |

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 1 | 2.04 | C:\Database\NIST05a.L | | |
| | | Ecgonidine, methyl ester | 127379-24-2 | 98 |
| | | 2-Carbomethoxy-8-methyl-8-azabicycl | 043021-26-7 | 97 |
| | | 2-[p-Chlorophenyl]pyrrolidine | 038944-14-8 | 38 |

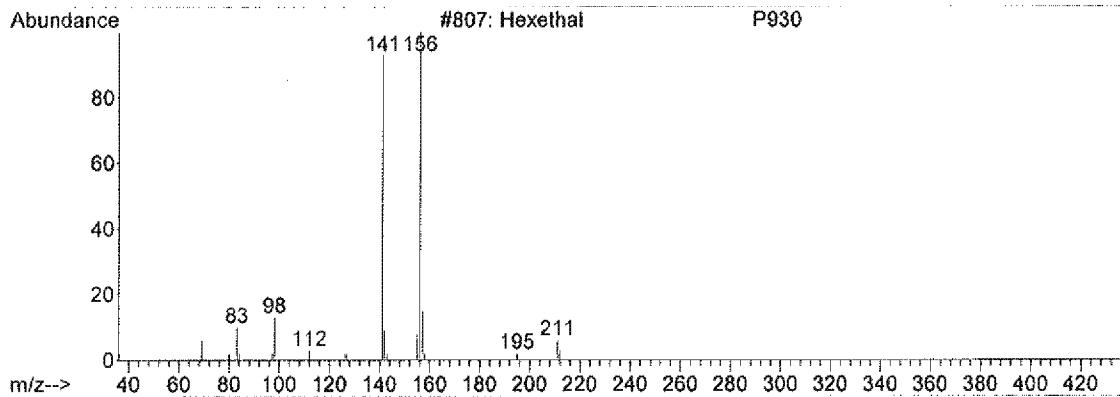
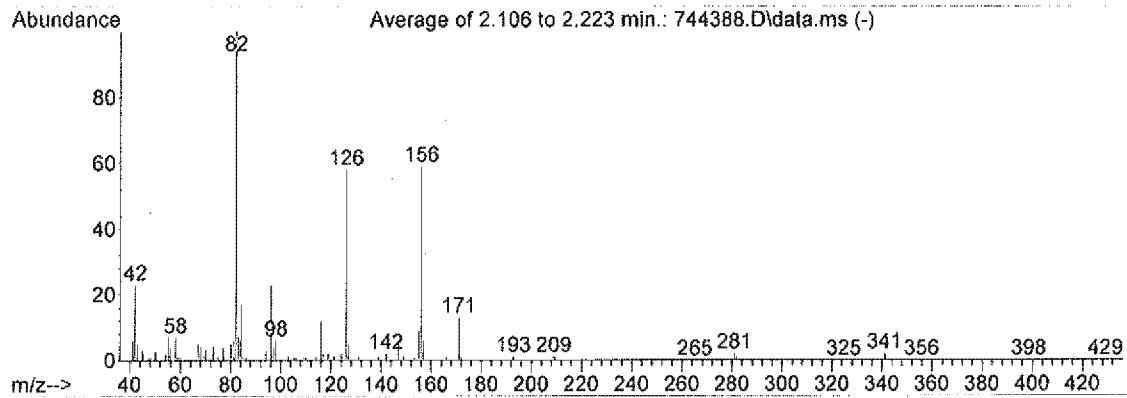


Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|----------------------------|-------------|------|
| 2 | 2.12 | C:\Database\PMW_TOX2.L | | |
| | | Hexethal | 000077-30-5 | 9 |
| | | Amobarbital | 000057-43-2 | 9 |
| | | Selegiline-M (nor-HO-) 2AC | 000000-00-0 | 9 |

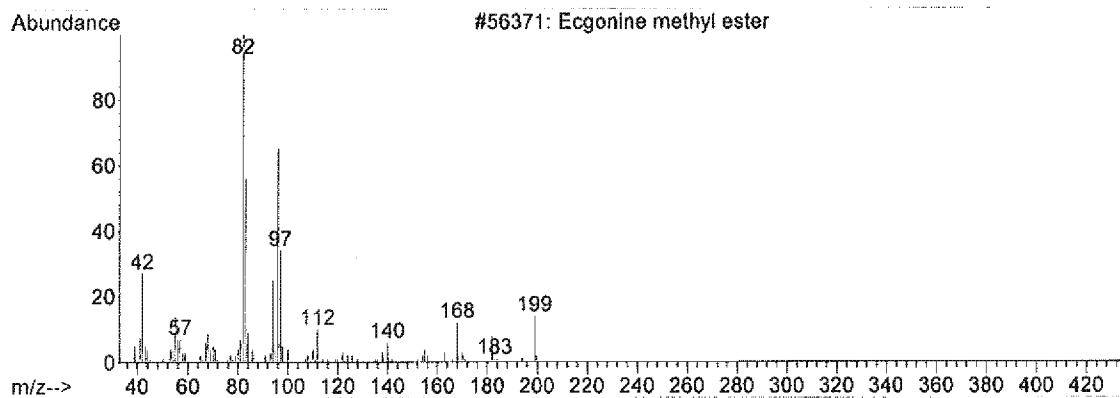
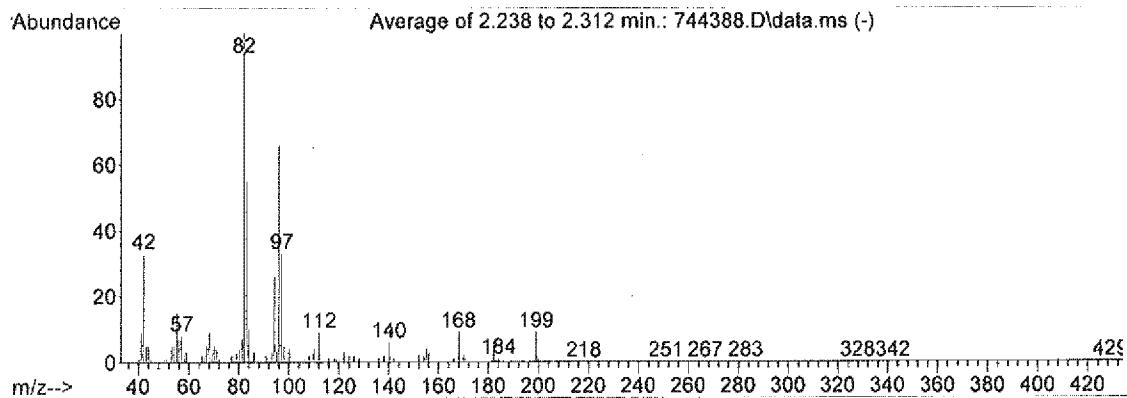


Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 3 | 2.28 | C:\Database\NIST05a.L | | |
| | | Ecgonine methyl ester | 106293-60-1 | 97 |
| | | Ecgonine methyl ester | 106293-60-1 | 97 |
| | | Pseudoecgonine methyl ester | 099189-88-5 | 95 |

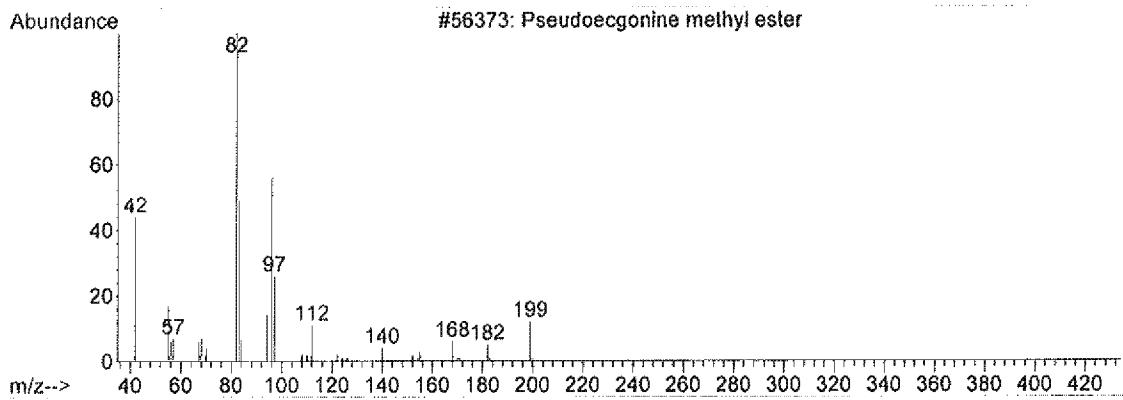
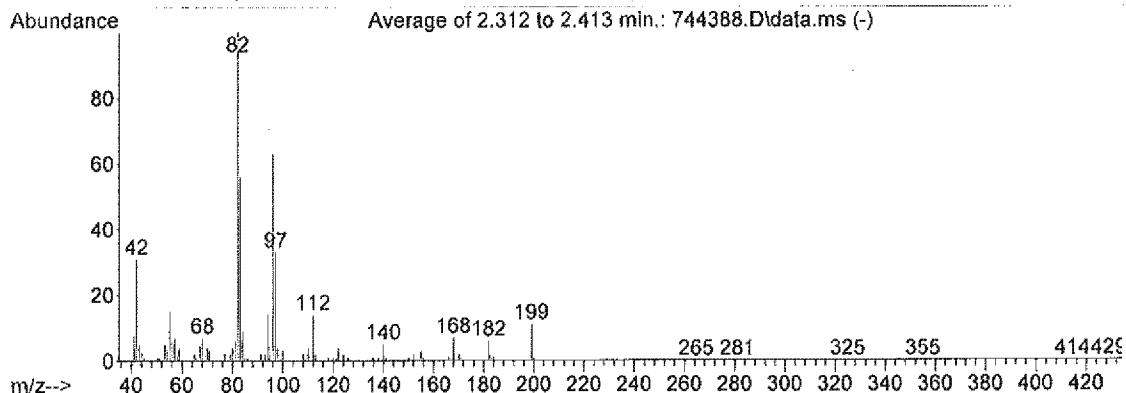


Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 4 | 2.33 | C:\Database\NIST05a.L | | |
| | | Pseudoecgonine methyl ester | 099189-88-5 | 96 |
| | | Ecgone methyl ester | 106293-60-1 | 94 |
| | | Ecgone methyl ester | 106293-60-1 | 94 |

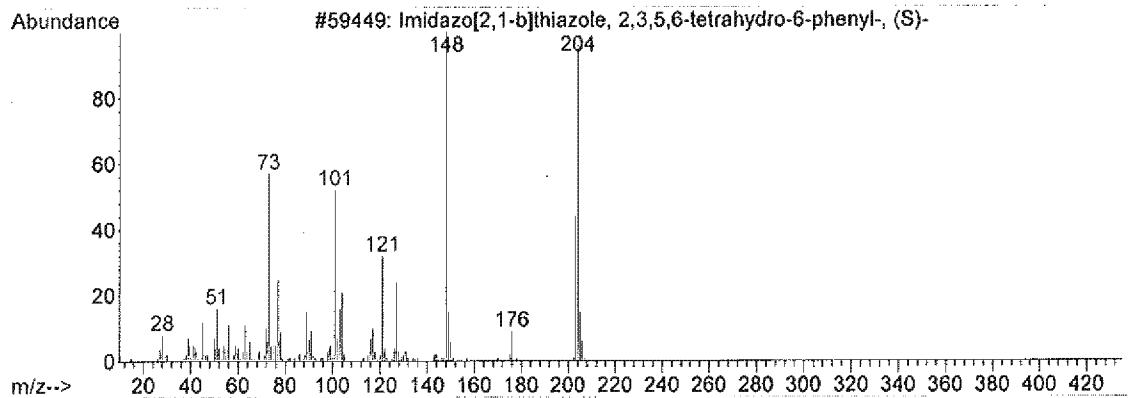
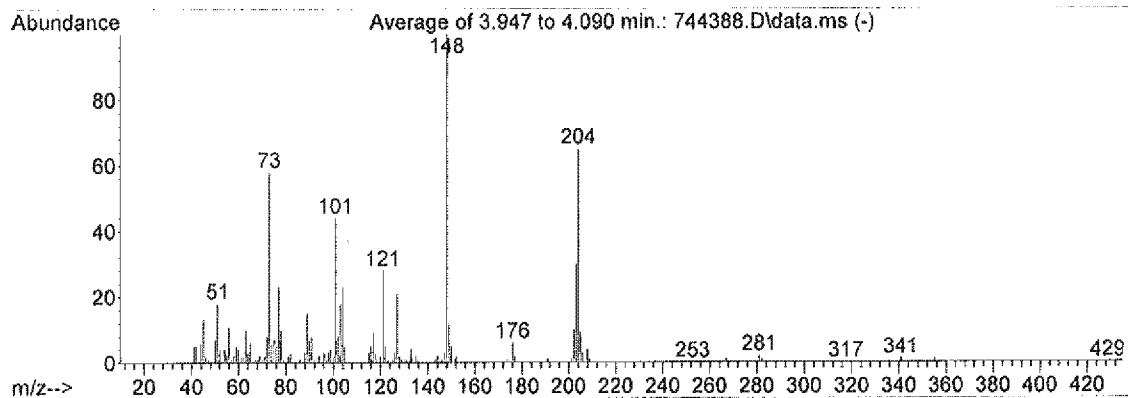


Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 5 | 3.98 | C:\Database\NIST05a.L | | |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 014769-73-4 | 98 |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 97 |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 97 |

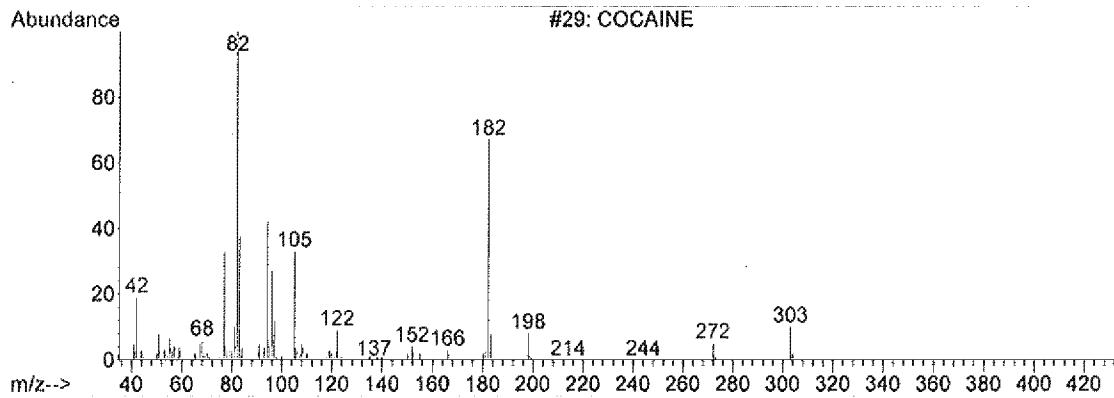
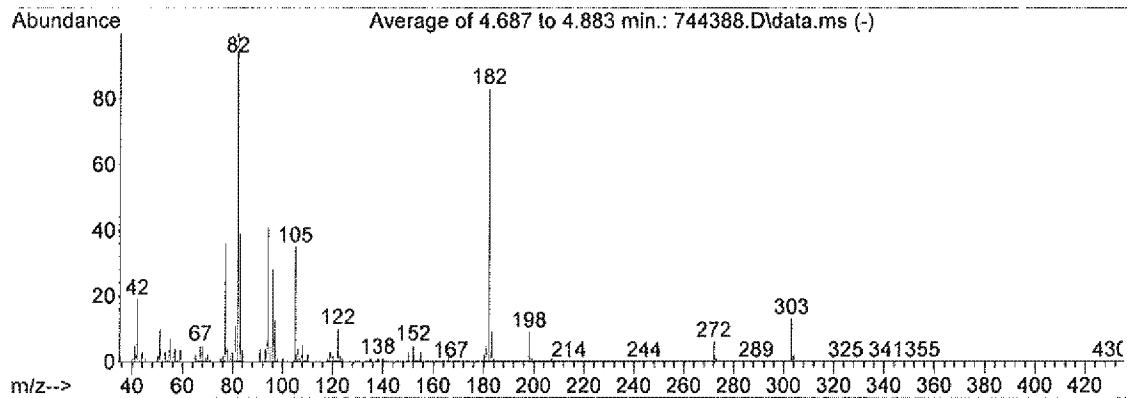


Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744388.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:06
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE

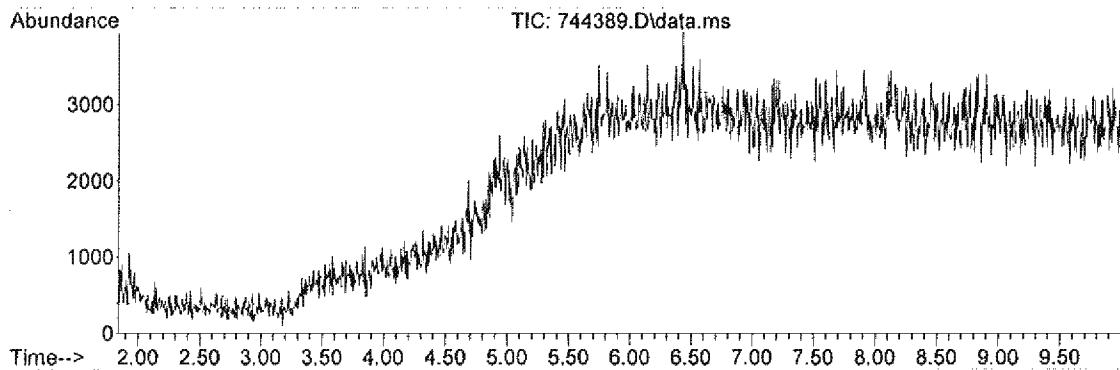
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 6 | 4.76 | C:\Database\SLI.L COCAINE | 000050-36-2 | 99 |



Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744389.D
Operator : KAC
Date Acquired : 21 Sep 2010 5:20
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

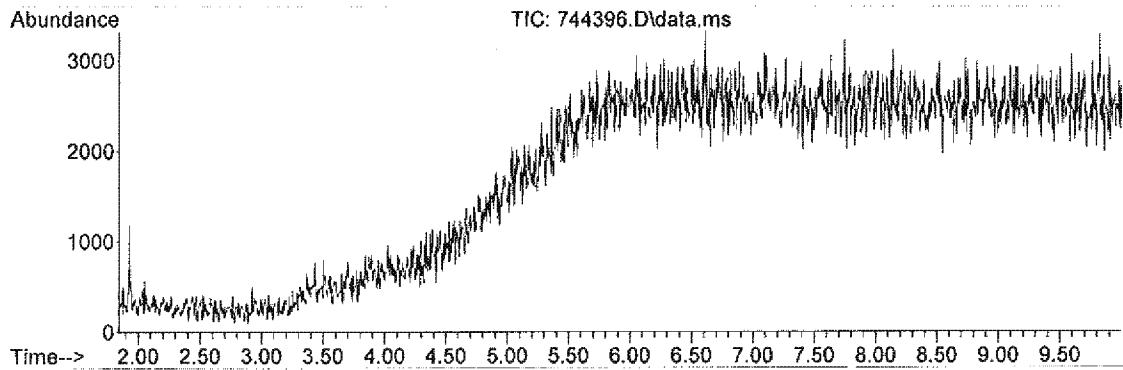


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744396.D
Operator : KAC
Date Acquired : 21 Sep 2010 6:54
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

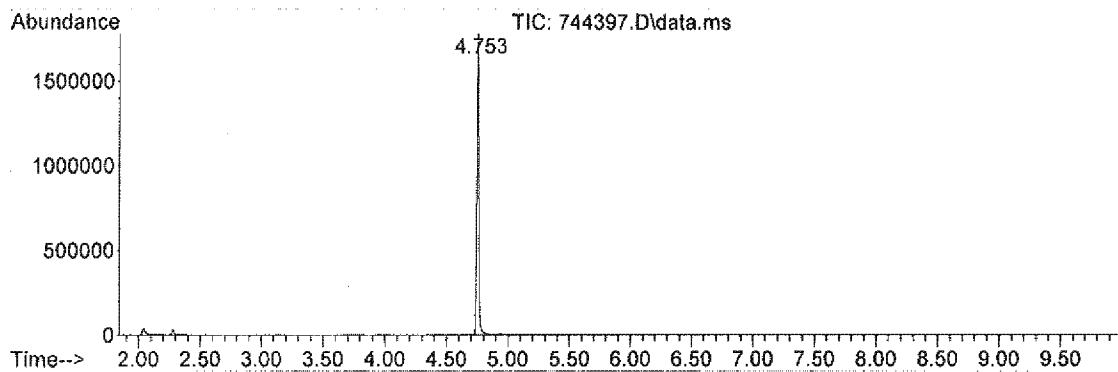


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744397.D
Operator : KAC
Date Acquired : 21 Sep 2010 7:08
Sample Name : COCAINE STD
Submitted by :
Vial Number : 97
AcquisitionMeth: DRUGS
Integrator : RTE



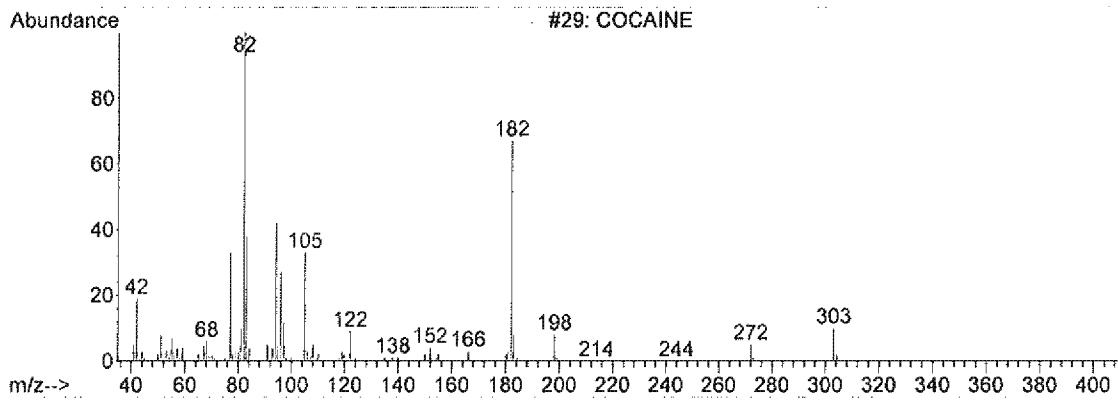
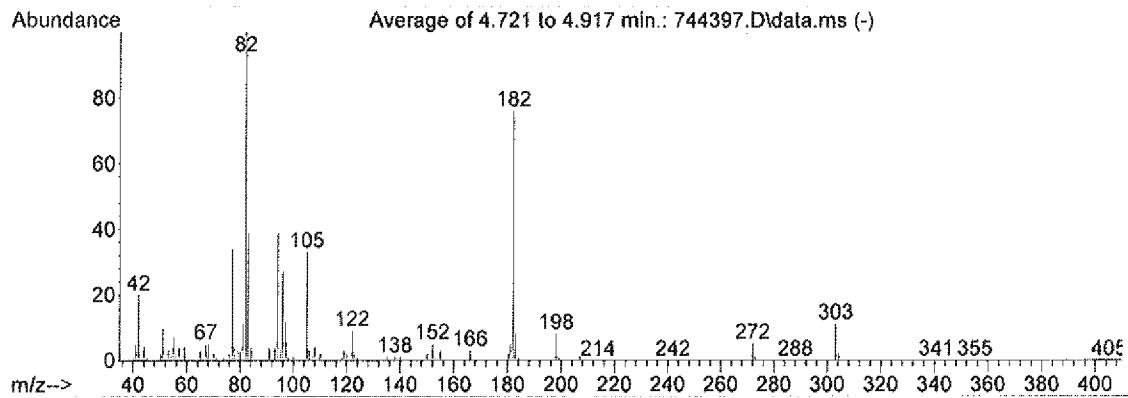
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.753 | 1772732 | 100.00 | 100.00 |

Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744397.D
Operator : KAC
Date Acquired : 21 Sep 2010 7:08
Sample Name : COCAINE STD
Submitted by :
Vial Number : 97
AcquisitionMeth: DRUGS
Integrator : RTE

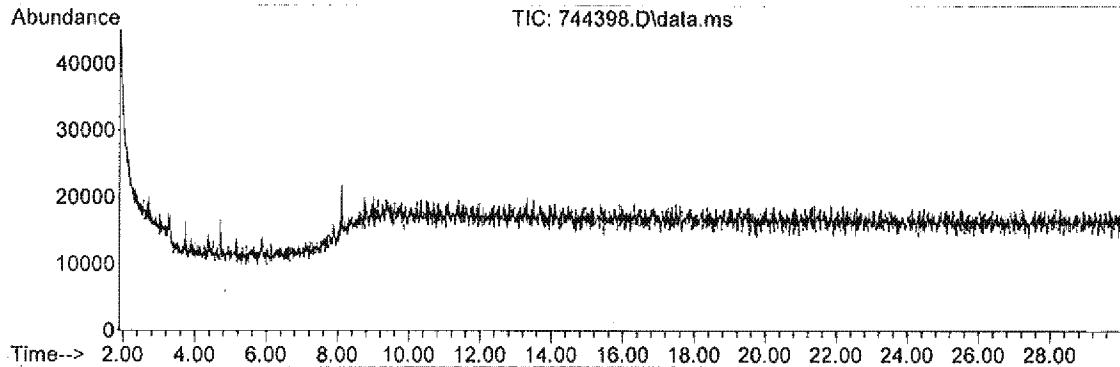
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.75 | C:\Database\SLI.L COCAINE | 000050-36-2 | 99 |



Information from Data File:

File Name : F:\Q3-2010\System4\09_20_10\744398.D
Operator : KAC
Date Acquired : 21 Sep 2010 7:22
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS